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PTO/SB/05 (11-00)  
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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

Attorney Docket No. 1406/15

First Inventor Jorg Hauptmann

Title See 1 in Addendum

Express Mail Label No. ET504580508US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 18]  
(preferred arrangement set forth below)
- Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 4]
5. Oath or Declaration [Total Pages 3]
- a. ☒ Newly executed (original or copy)  
Copy from a prior application (37 CFR 1.63 (d))
- b. ☐ (for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement of Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
17. ☐ Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No. \_\_\_\_\_

Prior application information.

Examiner \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

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or ☐ Correspondence address below

Name

25297

PATENT TRADEMARK OFFICE

Address

City

State

Zip Code

Country

Telephone

Fax

Name (Print/Type)

Richard E. Jenkins

Registration No. (Attorney/Agent)

28,428

Signature

Richard E. Jenkins

Date

August 29, 2001

Burden Hour Statement This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

# FEE TRANSMITTAL

## for FY 2000

Patent fees are subject to annual revision.  
Small Entity payments must be supported by a small entity statement,  
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.  
See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT (\$710.00)

### Complete if Known

Application Number  
Filing Date  
First Named Inventor Jorg Hauptmann  
Examiner Name  
Group / Art Unit  
Attorney Docket No. 1406/15

### METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number

Deposit Account Name

☐ Charge Any Additional Fee Required  
Under 37 CFR §§ 1.16 and 1.17

2. ☒ Payment Enclosed:  
☒ Check ☐ Money Order ☐ Other

### FEE CALCULATION

#### 1. BASIC FILING FEE

Large Entity Code	Small Entity Code	Fee (\$)	Fee Description	Fee Paid	
101	690	201	345	Utility filing fee	710.00
106	310	206	155	Design filing fee	
107	480	207	240	Plant filing fee	
108	690	208	345	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$ 710.00)

#### 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
2	-20** = 0	X 18	= 0
2	-3** = 0	X 80	= 0
Multiple Dependent			= 0

\*\*or number previously paid, if greater; For Reissues, see below

Large Entity Code	Small Entity Code	Fee (\$)	Fee Description
103	18	203	9 Claims in excess of 20
102	78	202	39 Independent claims in excess of 3
104	260	204	130 Multiple dependent claim, if not paid
109	78	209	39 ** Reissue independent claims over original patent
110	18	210	9 ** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 0.00)

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

Large Entity Code	Small Entity Code	Fee (\$)	Fee Description	Fee Paid
105	130	205	65 Surcharge - late filing fee or oath	0.00
127	50	227	25 Surcharge - late provisional filing fee or cover sheet.	0.00
139	130	139	130 Non-English specification	0.00
147	2,520	147	2,520 For filing a request for reexamination	0.00
112	920*	112	920* Requesting publication of SIR prior to Examiner action	0.00
113	1,840*	113	1,840* Requesting publication of SIR after Examiner action	0.00
115	110	215	55 Extension for reply within first month	0.00
116	380	216	190 Extension for reply within second month	0.00
117	870	217	435 Extension for reply within third month	0.00
118	1,360	218	680 Extension for reply within fourth month	0.00
128	1,850	228	925 Extension for reply within fifth month	0.00
119	300	219	150 Notice of Appeal	0.00
120	300	220	150 Filing a brief in support of an appeal	0.00
121	260	221	130 Request for oral hearing	0.00
138	1,510	138	1,510 Petition to institute a public use proceeding	0.00
140	110	240	55 Petition to revive - unavoidable	0.00
141	1,210	241	605 Petition to revive - unintentional	0.00
142	1,210	242	605 Utility issue fee (or reissue)	0.00
143	430	243	215 Design issue fee	0.00
144	580	244	290 Plant issue fee	0.00
122	130	122	130 Petitions to the Commissioner	0.00
123	50	123	50 Petitions related to provisional applications	0.00
126	240	126	240 Submission of Information Disclosure Stmt	0.00
581	40	581	40 Recording each patent assignment per property (times number of properties)	0.00
146	690	246	345 Filing a submission after final rejection (37 CFR § 1.129(a))	0.00
149	690	249	345 For each additional invention to be examined (37 CFR § 1.129(b))	0.00
Other fee (specify)				0.00
Other fee (specify)				0.00

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0.00)

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Date 8-29-01

### WARNING:

Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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08/29/01  
JC806 U.S. PTO

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August 29, 2001

"Express Mail" mailing number ET504580508US

Date of Deposit August 29, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231

Robin E. Leigh

*Robin E. Leigh*

Commissioner for Patents  
BOX PATENT APPLICATION  
Washington, D.C. 20231

Re: U.S. Patent Application for  
TONE SIGNAL DETECTION CIRCUIT FOR  
DETECTING TONE SIGNALS based on  
German Application No. 10043160.7-35 filed 9/1/00  
Our File No. 1406/15

Sir:

Please find enclosed the following:

1. A U.S. patent application for TONE SIGNAL DETECTION CIRCUIT FOR DETECTING TONE SIGNALS (18 pages);
2. Four (4) sheets of formal drawings (4 pages);
3. An unexecuted Declaration (3 pages);
4. Preliminary Amendment (7 pages);
5. Information Disclosure Statement with Forms PTO/SB/08A and PTO/SB/08B and copies of cited references;
6. Utility Patent Application Transmittal (Form PTO/SB/05; 1 page);
7. Fee Transmittal (Form PTO/SB/17; 1 page) in duplicate;

Year	Total population		Population aged 15 years and over		Population aged 65 years and over		Population aged 75 years and over		Population aged 85 years and over	
	Number	Density	Number	Density	Number	Density	Number	Density	Number	Density
1990	1 000 000	100	700 000	70	100 000	10	50 000	5	20 000	2
2000	1 100 000	110	750 000	75	110 000	11	55 000	5.5	22 000	2.2
2010	1 200 000	120	800 000	80	120 000	12	60 000	6	24 000	2.4
2020	1 300 000	130	850 000	85	130 000	13	65 000	6.5	26 000	2.6
2030	1 400 000	140	900 000	90	140 000	14	70 000	7	28 000	2.8
2040	1 500 000	150	950 000	95	150 000	15	75 000	7.5	30 000	3
2050	1 600 000	160	1 000 000	100	160 000	16	80 000	8	32 000	3.2
2060	1 700 000	170	1 050 000	105	170 000	17	85 000	8.5	34 000	3.4
2070	1 800 000	180	1 100 000	110	180 000	18	90 000	9	36 000	3.6
2080	1 900 000	190	1 150 000	115	190 000	19	95 000	9.5	38 000	3.8
2090	2 000 000	200	1 200 000	120	200 000	20	100 000	10	40 000	4
2100	2 100 000	210	1 250 000	125	210 000	21	105 000	10.5	42 000	4.2

- Please contact our offices if there are any questions with respect to this matter.

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REJ/lsg

## Enclosures



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